EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	("4718486").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/14 17:11
S2	16	("20030085036" | "4294573" | "4381175" | "4603735" | "4718486" | "5156537" | "5624249" | "6007306").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/09 17:14
S3	15	("2080624" | "2651259" | "3490376" | "3736072" | "4373864" | "4894069" | "5375976" | "5393202").PN. OR ("6007306").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/09 17:16
S4	15	("2080624" | "2651259" | "3490376" | "3736072" | "4373864" | "4894069" | "5375976" | "5393202").PN. OR ("6007306").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/09 17:40
S5	5	("4623305" | "5871340" | "6007306" | "6234030" | "6413065").PN. OR ("7093665").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/09 17:41
S6	806	(166/267).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/09/09 17:48
S7	58313	"166"/$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/09 18:01
S8	44077	multi?phase (multi adj phase) multiphase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/09 18:01
S9	586105	feedback	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/09 18:01
S10	207	S7 and S8 and S9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/09 18:01

S11	26	("4183407" | "4323122" | "4593760" | "4660639" | "5032042" | "5050676" | "5076360" | "5172764" | "5197541" | "5261765" | "5332333" | "5358357" | "5435666" | "5441365" | "5560737" | "5586836" | "5641020" | "5655852" | "5709505" | "5868523" | "5879108" | "5908267" | "5961438" | "Re33102"). PN. OR ("6305473"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/09 18:25
S12	409895	separat$3 with ((gas with liquid) phase)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/10 12:25
S13	1505666	pump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/10 12:25
S14	5587098	downhole wellbore well	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/10 12:26
S15	428	liquid with phase with back with pump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/10 12:27
S16	214	S12 and S13 and S14 and S15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/10 12:27
S17	116103	"417"/$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/10 12:27
S18	44077	multi?phase (multi adj phase) multiphase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/10 12:28
S19	221	S18 and S17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/10 12:28
S20	44077	multi?phase (multi adj phase) multiphase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/10 14:37

S21	586105	feedback	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/10 14:37
S22	5789	S20 and S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/10 14:37
S23	1505	S22 and pump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/10 14:37
S24	774	S23 and (((downhole wellbore) with pump) PCP ESP ((submersible submergible) with pump))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/10 14:39
S26	349128	phase with separat$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/10 14:40
S27	490	S24 and S26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/10 14:40
S28	0	("2007/0274842").URPN.	USPAT	OR	ON	2008/09/10 14:41
S29	20	("2489887" | "20010011558" | "20030159581" | "20040099422" | "20050061515" | "20050145388" | "20050150827" | "4913630" | "5044440" | "5259741" | "5478504" | "5526684" | "5624249" | "5738505" | "5775879" | "5795135" | "5871340" | "6007306" | "6059539" | "6082452" | "6135723" | "6234030" | "6457950" | "6457950" | "6651745" | "6860921" | "7013978").PN.	USPAT	OR	ON	2008/09/10 14:42
S30	2	("20050002812").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/09/10 16:15
S31	5	("4623305" | "5871340" | "6007306" | "6234030" | "6413065").PN. OR ("7093665").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/10 16:15

S32	1641	((210/170.01) or (210/170.07) or (210/188)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/09/10 16:22
S33	65	(96/182).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/09/10 16:27
S34	303	(166/370).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/09/10 16:28
S35	4	("3029610").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/09/10 16:54
S36	3305	liquid adj trap	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/10 19:48
S37	58313	"166"/$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/10 19:48
S38	25	S36 and S37	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/10 19:48
S39	2	("4718486").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/09/10 20:08
S40	179	gas with liquid with (multi? phase (multi adj phase) multiphase) with pump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/10 20:31
S41	62	S40 with separat$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/10 20:31
S42	758	((166/68.5) or (166/105.5)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/09/10 20:37
S43	806	(166/267).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/09/10 20:37
S44	2	("5624249").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/09/10 20:39

S45	9	("4684335" | "4995797" | "5348453").PN. OR ("5624249").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/10 20:40
S46	2	("6056054").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/09/11 09:54
S47	8	("2517198" | "2748719" | "3556219" | "5653286" | "5711374" | "6228146"). PN. OR ("7377314"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/11 10:36
S48	30	("3292703" | "3995693" | "4074763" | "4481020" | "4531584" | "4632601" | "4711306" | "5343945" | "5421408" | "5431228" | "5450901" | "5482117" | "5570744" | "5698014" | "5725054" | "5794697" | "5803178" | "5937946"). PN. OR ("6039116"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/11 13:14
S49	16	("2046769" | "2119737" | "3614761" | "3709292" | "3759324" | "3782463" | "3802501" | "3982589" | "3982591" | "3982592"). PN. OR ("4066123"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/11 14:20
S50	25	("1767879" | "1828857" | "2432079" | "2614803" | "2898866" | "3261398" | "3517741" | "3627048" | "3782463" | "4066123" | "4243102" | "4515517" | "4527632").PN. OR ("4848471").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/11 14:24
S51	24	("2080622" | "2081225" | "2763281" | "3260308" | "3578077").PN. OR ("3709292").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/11 14:37
S52	9	("2080622").URPN.	USPAT	OR	ON	2008/09/11 14:44
S53	65	(phase with separat$3) with (combined integral) with pump	USPAT	OR	ON	2008/09/11 17:44
S54	23	(cyclone hydrocyclone) with (combined integral) with pump	USPAT	OR	ON	2008/09/11 17:45

S55	19	("2250226" | "3842461" | "4366132" | "4957512" | "5021095" | "5022114" | "5125125" | "5465455"). PN. OR ("5815881"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/11 17:48
S56	817	(cyclone with separat$3) with housing	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/11 17:50
S57	28	(cyclone with separat$3) with housing with pump	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/11 17:50
S58	928	pump with (short?circuit $2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/11 19:55
S59	4997	(separat$3 cyclone hydrocyclone) with (short? circuit$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/11 20:27
S60	132	(separat$3 cyclone hydrocyclone) with phase with (short?circuit$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/11 20:29
S61	2	(separat$3 same liquid same gas) with phase with (short?circuit$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/11 20:32
S62	10	(separat$3 same liquid same gas) with (short? circuit$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/11 20:34
S63	25	(separat$3 same liquid same gas) with ((short? circuit$2) (short adj circuit))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/11 20:36
S64	58343	"166"/$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/12 11:28
S65	7144	booster adj pump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/12 11:28
S66	121	S64 and S65	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/12 11:28
S67	4342	(screw with (plunger piston) with pump)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/12 11:33

S68	80	S64 and S67	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/12 11:33
S69	318	(screw adj pump) with ((piston plunger) adj pump)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/12 11:34
S70	43241	"175"/$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/12 11:35
S71	6	(S64 S70) and S69	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/12 11:35

9/12/2008 1:45:01 PM
C:\ Documents and Settings\ rfuller1\ My Documents\ EAST\ Workspaces\ 10_595,477 - Multi-phase Mixture.wsp